

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 3081.177US01  U.S. PCT/CA/TX NUMBER (If known, see 37 CFR 1.5) <b>10/591633</b>
INTERNATIONAL APPLICATION NO. PCT/EP2005/002198	INTERNATIONAL FILING DATE -02 March 2005	PRIORITY DATE CLAIMED 05 March 2004
TITLE OF INVENTION: METHOD FOR ENRICHING AND/OR SEPARATING PROKARYOTIC DNA USING A PROTEIN THAT SPECIFICALLY BONDS TO UNMETHYLATED DNA CONTAINING CPG-MOTIVES		
APPLICANT(S) FOR DO/EO/US Karl-Hermann SCHMIDT, Eberhard STRAUBE, Stefan RUSSWURM, Hans-Peter DEIGNER, Svea SASCHE, Marc LEHMANN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>		

AP20 Rec'd PCT/PTO 05 SEP 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/591633</div>		INTERNATIONAL APPLICATION NO. PCT/EP2005/002198		ATTORNEY'S DOCKET NUMBER 3081.177US01	
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20. Other items or information:

Verified Statement Under 37 CFR Section 1.821(f), three copies of computer readable copy of sequence listing, one paper copy of sequence listing; copy of first page of published PCT application (WO 2005/085440 A1); copy of English language version of PCT search report; Postcard Receipt.

The following fees have been submitted				CALCULATIONS		PTO USE ONLY	
21.	<input checked="" type="checkbox"/>	Basic national fee (37 CFR 1.492(a)).....	\$300	\$	300.00		
22.	<input checked="" type="checkbox"/>	Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$	200.00		
All other situations.....							
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))							
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....				\$	400.00		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....							
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....							
All other situations.....							
<b>TOTAL OF 21, 22 and 23 =</b>					\$900.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE				
49 - 100 =	0 /50 =	0	x \$250	\$	0.00		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
Total claims	25 - 20 =	5	x \$ 50	\$	250.00		
Independent claims	1 - 3 =	0	x \$200	\$	0.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$			
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	1,150.00		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.							
<b>SUBTOTAL =</b>				\$	1,150.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$			
<b>TOTAL NATIONAL FEE =</b>				\$	1,150.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$			
<b>TOTAL FEES ENCLOSED =</b>				\$	1,150.00		
				Amount to be refunded:		\$	
				Amount to be charged		\$	

10/591633

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ 1,150.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0631. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Douglas J. CHRISTENSEN  
Patterson, Thunte, Skaar & Christensen, P.A.  
4800 IDS Center  
80 South 8th Street  
Minneapolis, Minnesota 55402

  
SIGNATURE

Douglas J. Christensen

NAME

35,480

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PCT RECEIVING OFFICE (RO/US)

10/591633

In re the application of:

Attorney Docket No.: 3081.177US01

Karl-Hermann Schmidt et al.

Application No.: Unknown

Filed: *Of Even Date*

For: METHOD FOR ENRICHING AND/OR SEPARATING PROKARYOTIC DNA  
USING A PROTEIN THAT SPECIFICALLY BONDS TO UNMETHYLATED  
DNA CONTAINING CPG-MOTIVES


**SUBMISSION OF DOCUMENTS**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Enclosed for filing in the above-identified application are the following documents:

1. Certificate of Express Mailing;
2. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (3 pgs.);
3. English translation of patent application (40 pgs.);
4. Preliminary Amendment (10 pgs.);
5. Copy of English language translation of Article 19 Amendment (3 pgs.);
6. Copy of first page of published PCT application (WO 2005/085440 A1) (2 pgs.);
7. Verified Statement Under 37 CFR § 1.821(f) (1 pg.), 3 copies of computer readable copy of sequence listing and 1 copy of paper copy of sequence listing (4 pgs.);
8. Information Disclosure Statement (2 pgs.), PTO Form 1449 (1 pg.) and copies of 8 cited references/
9. Copy of International Search Report (3 pgs.);
10. Check in the amount of \$1,150.00; and
11. Return Postcard.

Respectfully submitted,

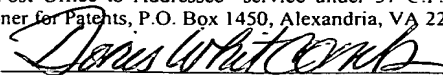
  
Douglas J. Christensen  
Registration No. 35,480

Patterson, Thuente, Skaar & Christensen, P.A.  
4800 IDS Center, 80 South Eighth Street  
Minneapolis, Minnesota 55402-2100  
(612) 349-3001

CERTIFICATE OF EXPRESS MAIL

"Express Mail" mailing label number EV804179672US. Date of Deposit: September 5, 2006. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Doris Whitcomb  
Name of Person Making Deposit

  
Signature